

mitech news



In this edition:

- Engineered wood panel thoughts
- Press cushions/pads

Greetings to all

Thoughts about the engineered wood panel industry

I was thinking about our industry and the history of wood in our lives. I am no anthropologist, but I suggest that, along with bones and skins, wood is the oldest material used for buildings and tools. It is a God-given resource to use or abuse.

It is common knowledge that laminated wood is not new and that the ancients cut wood thinly and glued it together in layers with the grain in perpendicular directions.

In the 18th century patents exist for machines to produce veneers for an early panel which we know as plywood. The emphasis was improving strength or properties with little thought to conserving what was assumed to be an “eternally available” resource from forests

Over millennia the use of wood grew to the massive scale we are familiar with today. And we are all aware that poor forest practices have led to the global destruction of forests.

With the advent of plywood, then particleboard in the 1930's and later MDF, came a more efficiency use of wood, leading to today when we have one of the world's greenest building products.

Consider that within a laminated MDF or particleboard panel there is as much wood as an equivalent solid hardwood panel, even if using lighter softwood fibre or particles.

- ✓ Kraft and décor papers are predominantly wood fibre;
- ✓ Using panel density, then mathematically extracting resin weights.
- ✓ Engineered or reconstituted wood panels are predominantly produced from wood from regenerated forests or from recycled wood, and other organic, otherwise waste substances.

- ✓ Some industries such as sawn wood, and latex, would not be feasible without the coexistence of the engineered wood panels industries
- ✓ Then consider that low cost, unattractive wood panels are transformed by modern surface treatments into the décor products we take for granted

Panel lamination

Press cushions (or pads)

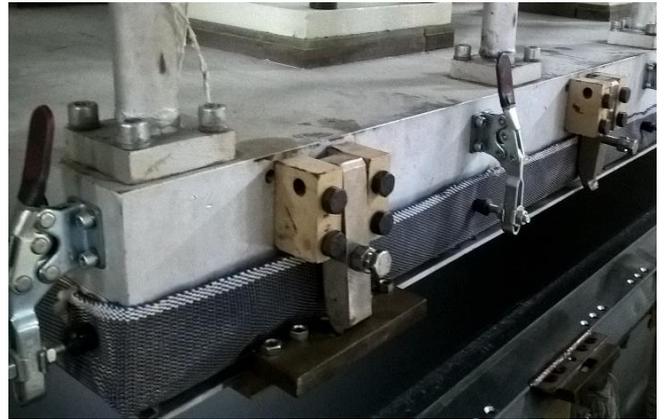
This month I want to re-introduce our press pads or press cushion services for lamination presses.

MAX Press Pads

Supply of press cushions (or pads) commenced several years ago to complement our press caul plate supply service.

Measures of Performance are:

- Uniform heat transfer
- Excellent pressure compensation
- Long lifetime
- Good tensile strength
- Dimensional stability
- Heat resistance
- “Window-frame” resistance



The original offer remains to all new customers for **one free cushion supplied in a first order**

Press cushions for HPL

If your company produces HPL we have specialised press cushions. Mitech now supplies durable silicon and copper woven press cushions designed for HPL pressing conditions:

High pressure with uniform, moderate heat transfer.

For new customers one cushion can be supplied free of charge to test before an order

Engineered wood panels

- Conveyors
- Chippers
- Resin plants
- Chip washers
- Plywood presses
- Mat Spray Systems

Panel Lamination

- Paper impregnation lines
- Short Cycle Presses
- HPL Presses
- Veneer presses
- Press Pads
- Press Caul Plates
- Paper winders
- Paper Cutters
- Protective Foil application

Additives

- Release Agents
- Wetting Agents
- Hardeners
- Dyes and Pigments

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An Experienced Wood panel machinery and materials supplier

We are a reputed wood panel machinery and associated materials supplier. Our years of experience in the market, dealing with various clients, each with unique requirements have driven us to increase knowledge and skill

We always endeavour to meet your expectations.

Contact us any time for any query related to our products. We are happy to assist you.